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Frank C. Eisenschenk
Frank C. Eisenschenk, Ph.D., Patent Attorney

INFORMATION DISCLOSURE
STATEMENT
Examining Group 1646
Patent Application
Docket No. INN-133
Serial No. 10/563,045

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1646
Applicants : Alessandro Moretta, Mariella Della Chiesa
Serial No. : 10/563,045
Filed : December 30, 2005
Conf. No. : 6062
For : PAN-KIR2DL NK-Receptor Antibodies and Their Use in Diagnostik and Therapy

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INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 AND 1.98

Sir:

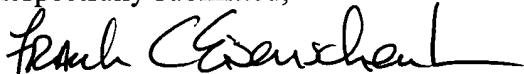
The patent application referred to above was filed in the U.S. Patent Office as a national application under 35 U.S.C. § 371. Applicants have been notified that a copy of the International Search Report has been made available in the national stage file as indicated on the Notice of Acceptance of the Application Under 35 USC 371 (Form PCT/DO/EO/903). The Notice does not indicate whether copies of the references cited in the International Search Report were received by the Patent Office. Therefore, copies of the references cited in the International Search Report are enclosed for the Examiner's convenience. However, Applicants have not submitted copies of the U.S. patents cited on attached Form PTO/SB/08 pursuant to 37 C.F.R. 1.98(a)(2)(ii). In accordance with 37 C.F.R. § 1.56, Applicants hereby request that the references cited in the International Search

Report and listed on the attached form PTO/SB/08 be made of record and considered in the examination of the subject application.

Applicants have also listed on form PTO/SB/08 numerous references which have not been cited in the International Search Report. Copies of these documents are enclosed with this Information Disclosure Statement. Applicants respectfully request that these references be made of record and considered in the examination of the subject application.

Applicants respectfully assert that the substantive provisions of 37 C.F.R. §§ 1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,



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FCE/sl

Attachments: Form PTO/SB/08; copies of cited references.



SEP 25 2006

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/563,045
Sheet	1	of	3	Filing Date	December 30, 2005
				First Named Inventor	Alessandro Moretta
				Art Unit	1646
				Examiner Name	
				Attorney Docket Number	INN-133

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-6,524,583	02-25-2003	THORPE et al.	All
	U2	US-5,650,491	07-22-1997	REED et al.	All
	U3	US-5,539,094	07-23-1996	REED et al.	All
	U4	US-5,660,827	08-26-1997	THORPE et al.	All
	U5	US-4,816,567	03-28-1989	CABILLY et al.	All
	U6	US-5,583,034	12-10-1996	GREEN et al.	All
	U7	US-			
	U8	US-			
	U9	US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	F1	WO 98/16551 A2	04-23-1998	GENENTECH, INC.	All
	F2				
	F3				
	F4				
	F5				
	F6				
	F7				

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Sheet	2	of	3	Application Number	10/563,045
				Filing Date	December 30, 2005
				First Named Inventor	Alessandro Moretta
				Group Art Unit	1646
				Examiner Name	
				Attorney Docket Number	INN-133

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	R1	BARTEN, R. et al. "Divergent and convergent evolution of NK-cell receptors", <i>TRENDS in Immunology</i> , January 2001, pp. 52-57, Vol. 22, No. 1.			
	R2	BIASSONI, R. et al. "Human CD3 ⁺ CD16 ⁺ Natural Killer Cells Express the hGATA-3 T Cell Transcription Factor and an Unrearranged 2.3-kb TcR δ Transcript", <i>Eur. J. Immunol.</i> , 1993, pp. 1083-1087, Vol. 23.			
	R3	BOYINGTON, J. C. et al. "Crystal Structure of an NK Cell Immunoglobulin-like Receptor in Complex with its Class I MHC Ligand", <i>Nature</i> , June 1, 2000, pp. 537-543, Vol. 405.			
	R4	FAN, Q. R. et al. "Crystal Structure of the Human Natural Killer Cell Inhibitory Receptor KIR2DL1-HLA-Cw4 Complex", <i>Nature Immunology</i> , May 2001, pp. 452-460, Vol. 2, No. 5.			
	R5	FARAG, S. S. et al. "Natural Killer Cell Receptors: New Biology and Insights into the Graft-Versus-Leukemia Effect", <i>BLOOD</i> , September 15, 2002, pp. 1935-1947, Vol. 100, No. 6.			
	R6	GAUTHIER, L. et al. "μ-Surrogate Light Chain Physicochemical Interactions of the Human PreB Cell Receptor: Implications for V _H Repertoire Selection and Cell Signaling at the PreB Cell Stage", <i>The Journal of Immunology</i> , 1999, pp. 41-50, Vol. 162.			
	R7	KOH, C. Y. et al. "NK Inhibitory-Receptor Blockade for Purging of Leukemia: Effects on Hematopoietic Reconstitution", <i>Biology of Blood and Marrow Transplantation</i> , 2002, pp. 17-25, Vol. 8.			
	R8	MAENAKA, K. et al. "Crystal Structure of the Human p58 Killer Cell Inhibitory Receptor (KIR2DL3) Specific for HLA-Cw3-Related MHC Class I", <i>Structure</i> , April 1999, pp. 391-398, Vol. 7, No. 4.			
	R9	MORETTA, A. et al. "Activating Receptors and Coreceptors Involved in Human Natural Killer Cell-Mediated Cytolysis", <i>Annu. Rev. Immunol.</i> , 2001, pp. 197-223 and Table of Contents, Vol. 19.			
	R10	MORETTA, A. et al. "Identification of Four Subsets of Human CD3 ⁺ CD16 ⁺ Natural Killer (NK) Cells by the Expression of Clonally Distributed Functional Surface Molecules: Correlation between Subset Assignment of NK Clones and Ability to Mediate Specific Alloantigen Recognition", <i>J. Exp. Med.</i> , December 1990, pp. 1589-1598, Vol. 172.			
	R11	MORETTA, A. et al. "A Novel Surface Antigen Expressed by a Subset of Human CD3 ⁺ CD16 ⁺ Natural Killer Cells", <i>The Journal of Experimental Medicine</i> , March 1990, pp. 695-714, Vol. 171.			
	R12	MORETTA, A. et al. "P58 Molecules as Putative Receptors for Major Histocompatibility Complex (MHC) Class I Molecules in Human Natural Killer (NK) Cells. Anti-p58 Antibodies Reconstitute Lysis of MHC Class I-protected Cells in NK Clones Displaying Different Specificities", <i>J. Exp. Med.</i> , August 1993, pp. 597-604, Vol. 178.			

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				Filing Date	December 30, 2005
				First Named Inventor	Alessandro Moretta
				Group Art Unit	1646
				Examiner Name	
				Attorney Docket Number	INN-133

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	R13	MORETTA, A. et al. "Receptors for HLA Class-I Molecules in Human Natural Killer Cells", <i>Annu. Rev. Immunol.</i> , 1996, pp. 619-648, Vol. 14.			T ²
	R14	PENDE, D. et al. "Identification and Molecular Characterization of NKp30, a Novel Triggering Receptor Involved in Natural Cytotoxicity Mediated by Human Natural Killer Cells", <i>J. Exp. Med.</i> , November 15, 1999, pp. 1505-1516, Vol. 190, No. 10.			
	R15	RUGGERI, L. et al. "Effectiveness of Donor Natural Killer Cell Alloreactivity in Mismatched Hematopoietic Transplants", <i>Science</i> , March 15, 2002, pp 2097-2100, Vol. 295.			
	R16	SAUNAL, H. et al. "Mapping of Viral Conformational Epitopes Using Biosensor Measurements", <i>Journal of Immunological Methods</i> , 1995, pp. 33-41, Vol. 183.			
	R17	SAULQUIN, X. et al. "Crystal Structure of the Human Natural Killer Cell Activating Receptor KIR2DS2 (CD158j)", <i>J. Exp. Med.</i> , April 7, 2003, pp. 933-938, Vol. 197, No. 7.			
	R18	SHIN, J.-S. et al. "Monoclonal Antibodies with Various Reactivity to p58 Killer Inhibitory Receptors", <i>Hybridoma</i> , 1999, pp. 521-527, Vol. 18, No. 6			
	R19	SPAGGIARI, G. M. et al. "Soluble HLA Class I Induces NK Cell Apoptosis Upon the Engagement of Killer-Activating HLA Class I Receptors through FasL-Fas Interaction", <i>BLOOD</i> , December 1, 2002, pp. 4098-4107, Vol. 100, No. 12.			
	R20	WAGTMANN, N. et al. "Killer Cell Inhibitory Receptors Specific for HLA-C and HLA-B Identified by Direct Binding and by Functional Transfer", <i>Immunity</i> , December 1995, pp. 801-809, Vol. 3.			
	R21	WAGTMANN, N. et al. "Molecular Clones of the p58 NK Cell Receptor Reveal Immunoglobulin-Related Molecules with Diversity in Both the Extra- and Intracellular Domains", <i>Immunity</i> , May 1995, pp. 439-449, Vol. 2.			
	R22	WARREN, H.S. et al. "Functional analysis of CD158b monoclonal antibodies recognizing the killer Ig-like receptors KIR2DS2, KIR2DL2 and KIR2DL3", <i>Tissue Antigens</i> , 2000, pp. 80-81, Vol. 55, No. Supplement 15, XP009040899 (abstract only).			
	R23				
	R24				

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